SHARP

AR-M165/AR-M207

Digital Multifunctional Systems

STEP INTO POWERFUL MULTIFUNCTION PERFORMANCE WITH FAX AND COLOUR SCANNING

SHARP ***DOCUMENT*** SOLUTIONS

THE ALL-IN-ONE SOLUTION THAT HAS ALL YOUR EVERYDAY OFFICE NEEDS COVERED

Keep up with today's fast-paced and graphic-intensive business communications with one easy-to-use, compact solution that has all your basic office needs covered. The AR-M165 and AR-M207 are packed with an extensive range of superb performance functions, delivering ultra-efficient copying/printing, brilliant colour scanning, optional Super G3 faxing, as well as convenient connectivity for small workgroups with a Smart Sharing interface for up to 3 users. And with options available for powerful network printing/scanning, the AR-M165 and AR-M207 even have the functionality to grow with your business.

KEY FEATURES

Productive Copying

- Quick copy speed of max. 16 cpm (AR-M165) or 20 cpm (AR-M207)
- Scan Once/Print Many function and electronic sorting
- Built-in stackless duplex module
- Optional 40-sheet SPF (single pass feeder) or reversing SPF
- Max. 1,100-sheet paper capacity

Performance Printing

- RIP Once/Print many function for max. 16ppm (AR-M165) or 20ppm (AR-M207)
- Speed-enhanced Sharp Printer Language with Compression
- Smart sharing with three PCs via IEEE 1284, USB 1.1, and USB 2.0
- Upgradeable to network printing with network utilities
- IP/MAC address filtering prevents unauthorised access (option)

Colour Scanning

- Full-colour scanning at 600 dpi and up to A3 in size
- Button Manager for quick and easy scanning
- Scanning from TWAIN-compliant applications
- Sharpdesk™ provides easy desktop management of documents in over 200 file types
- Upgradeable to network colour scanning (scan to e-mail/desktop/FTP server)
- LDAP compatibility for easy browsing of e-mail addresses

Speedy Faxing (option)

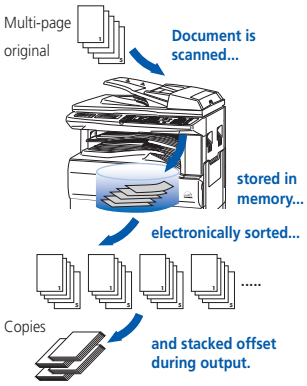
- Super G3 faxing and JBIG compression
- Quick on-line transmission
- Duplex fax transmission and reception
- Max. 300 speed dials

User- and Environment-Friendly Design

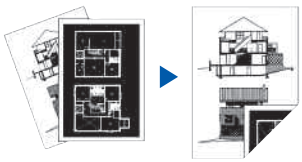
- Universal design concept and 5-line LCD operation panel
- Energy-efficient design
- Lead-free wiring harnesses and AC power cords
- Chromium-free surface-treated steel sheet

PRODUCTIVE COPYING

Scan Once/Print Many and Electronic Sorting



Duplex Copying



Card Shot

Bringing you superb efficiency, the AR-M165 and AR-M207 produce a fast 16ppm or 20ppm copy speed and quick first copy time of 7.2 seconds. The performance of built-in duplexing not only minimises paper usage, but boosts productivity even further when used with the optional RSPF (reversing single pass feeder). Combined with an exciting range of image editing functions, the AR-M165 and AR-M207 supply a whole new level of convenience.

AT A GLANCE

- ***Scan Once/Print Many*** *function and* ***electronic sorting*** *for highly productive copying*
- ***Up to 999 copies*** *can be made from memory*
- *Optional* ***RSPF or SPF*** *makes scan jobs quick and easy*
- ***Increased paper capacity*** *holds 350 sheets standard (AR-M165), 600 sheets standard (AR-M207), expandable to 1,100 sheets on both models.*
- ***Auto tray switching*** *reduces interruptions by automatically switching to a different tray when the first becomes empty*
- ***Digital auto exposure control, Text mode, and Photo mode*** *ensure optimum copy quality*
- ***Convenient image editing functions*** *– multi-shot (4-in-1, 2-in-1), rotation copy, dual page copy, and more*
- ***Automatic paper/magnification selection***

Duplex Copying

With their built-in duplex module, the AR-M165 and AR-M207 can automatically produce two-sided copies. Duplexing is even more productive when used together with the optional RSPF for one- or two-sided originals or with the optional SPF for one-sided originals.

Card Shot Copy/Scan

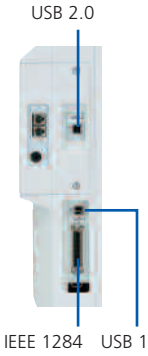
This function enables one-touch scanning and copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.

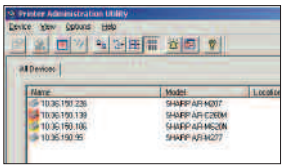
Note: From platen glass only

HIGH-PERFORMANCE PRINTING

With fast outputs of 16ppm and 20ppm respectively, the AR-M165 and AR-M207 provide outstanding printing performance. Accelerating the production of multiple prints, the RIP Once/Print Many function minimises human intervention and eliminates additional processing. Equipped with features for Smart Sharing, network printing options, and secure network access (IP/MAC address filtering), the AR-M165 and AR-M207 deliver speed and versatility.

Smart Sharing





Printer Administration Utility screen

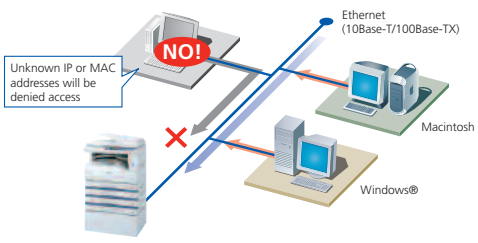
AT A GLANCE

- *Standard **SPLC** (Sharp Printer Language with Compression) for speedy data transfer and printing*
- *Standard **duplex printing** capability*
- ***Smart sharing** with up to three PCs through one IEEE 1284 and two USB (1.1 and 2.0) ports*
- ***Job Offset** stacks each print job slightly shifted apart for easy retrieval and **Job Separator***1 prevents print jobs from getting mixed with copy/fax jobs*
- ***Powerful network printing***2 supports the most commonly used network operating systems and protocols*
- ***PDF/TIFF direct print***2 – saves valuable time by printing PDF and TIFF files without using the printer driver, enabling direct printing from either a Web page or an e-mail attachment*
- ***PCL5e and PCL6** printer language emulation*2*
- ***PostScript 3** is available*3 for compatibility with more fonts and better graphics handling*
- ***Printer Administration Utility** for easy network management and **Printer Status Monitor** for remote printer status monitoring*2*
- ***Convenient printing functions** – N-up, fit-to-page, watermarks, and more*

**1: Optional AR-TR4 required.*

**2: Optional AR-NB3 required. PDF direct printing also requires AR-PK1 N.*

**3: Optional AR-PK1 N required.*

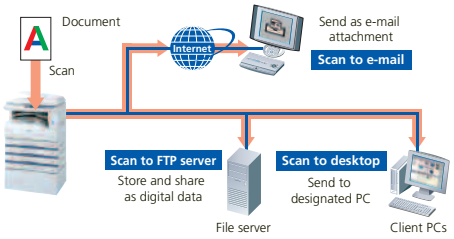


Secure Network Printing

The optional AR-NB3 Network Printing/Scanning Expansion Kit provides highly secure operation by restricting access to the AR-M165 and AR-M207 on your office network. Only PCs that have either their IP address or MAC (media access control) address registered are allowed access, preventing unauthorised use.

POWERFUL COLOUR SCANNING

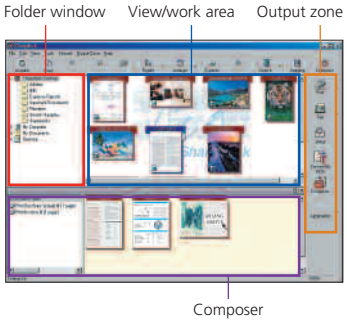
As a powerful, full-colour scanner, the AR-M165 and AR-M207 can convert any type of paper-based document, up to A3 in size, into an editable digital file as easily as making a copy. The optional 40-sheet RSPF makes it possible to scan even double-sided documents instantly. With available upgrades for network scanning, your entire office can share fully editable files that can be used in common office applications, printed, or distributed by e-mail.



AT A GLANCE

- ***Full-colour A3 scanning*** *in 600 x 600 dpi*
- *Compatible with* ***TWAIN-compliant*** *applications (pull scan)*
- ***Useful utility software*** *– Sharpdesk™ document management software*
  – Button Manager sends scanned images directly to PC applications (push scan)
- ***Network scan**** *to e-mail, desktop, or FTP server*
- ***Lightweight Directory Access Protocol**** *(LDAP) allows easy browsing and selecting of e-mail addresses for rapid distribution of scanned documents*

** Optional AR-NB3 required.*



Sharpdesk™ — Document Management on Your PC

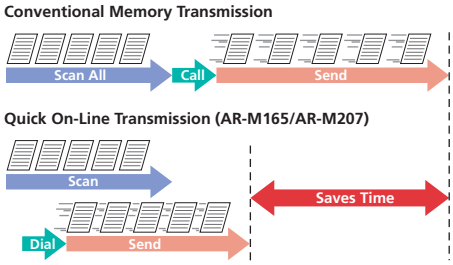
Sharpdesk™ is an original Sharp application that provides integrated desktop management of documents in over 200 file formats, including scanned paper-based documents and those created with popular applications such as Microsoft Word. It allows you to organise, edit, search, and distribute your documents, all with simple drag-and-drop operation.

- Intuitive desktop display features thumbnail viewing
- Sharpdesk Imaging provides annotation tools for paper-free proofreading
- Sharpdesk Composer combines different types of files into a single document
- Optical character recognition converts documents into editable text files
- Output zone distributes files to e-mail, printers, and other applications
- File search allows searching by file name or keyword

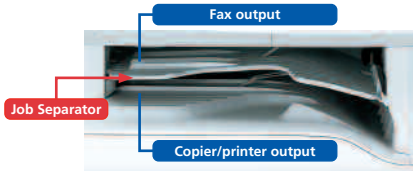
FAST AND EFFICIENT FAXING

Faxing is faster and easier than before with the optional AR-FX11 Fax Expansion Kit. Combining 33,600 bps Super G3 speed with the ease of on-line transmission, the AR-FX11 boosts the efficiency of your AR-M165 or AR-M207, sending documents in much less time than with conventional memory transmission.

Quick On-Line Transmission



Job Separator



AT A GLANCE

- ***Extremely versatile*** *– send or receive single or double-sided*[*1] *faxes up to A3 size*
- ***Saves time*** *– Super G3/JBIG compression for extra speed*
  – On-line transmission reduces total operation time
  – 40-sheet RSPF enhances the efficiency of your fax jobs
- ***Auto dialling*** *– register up to 50 frequently used numbers for one-touch dialling and 300 numbers for two-digit dialling*
- ***Dependable*** *– flash memory prevents data loss in a power failure*
- ***Job Separator*** *(option) prevents incoming faxes from getting mixed with copy/print jobs*[*2]
- ***PC-Fax transmission***[*3] *– directly sends a document created on your PC to a recipient's fax machine without printing to paper*

**1: Optional RSPF required to send two-sided documents.*

**2: Output destinations can be designated, sending fax or printer output to the Job Separator tray and copier or printer output to the bottom tray.*

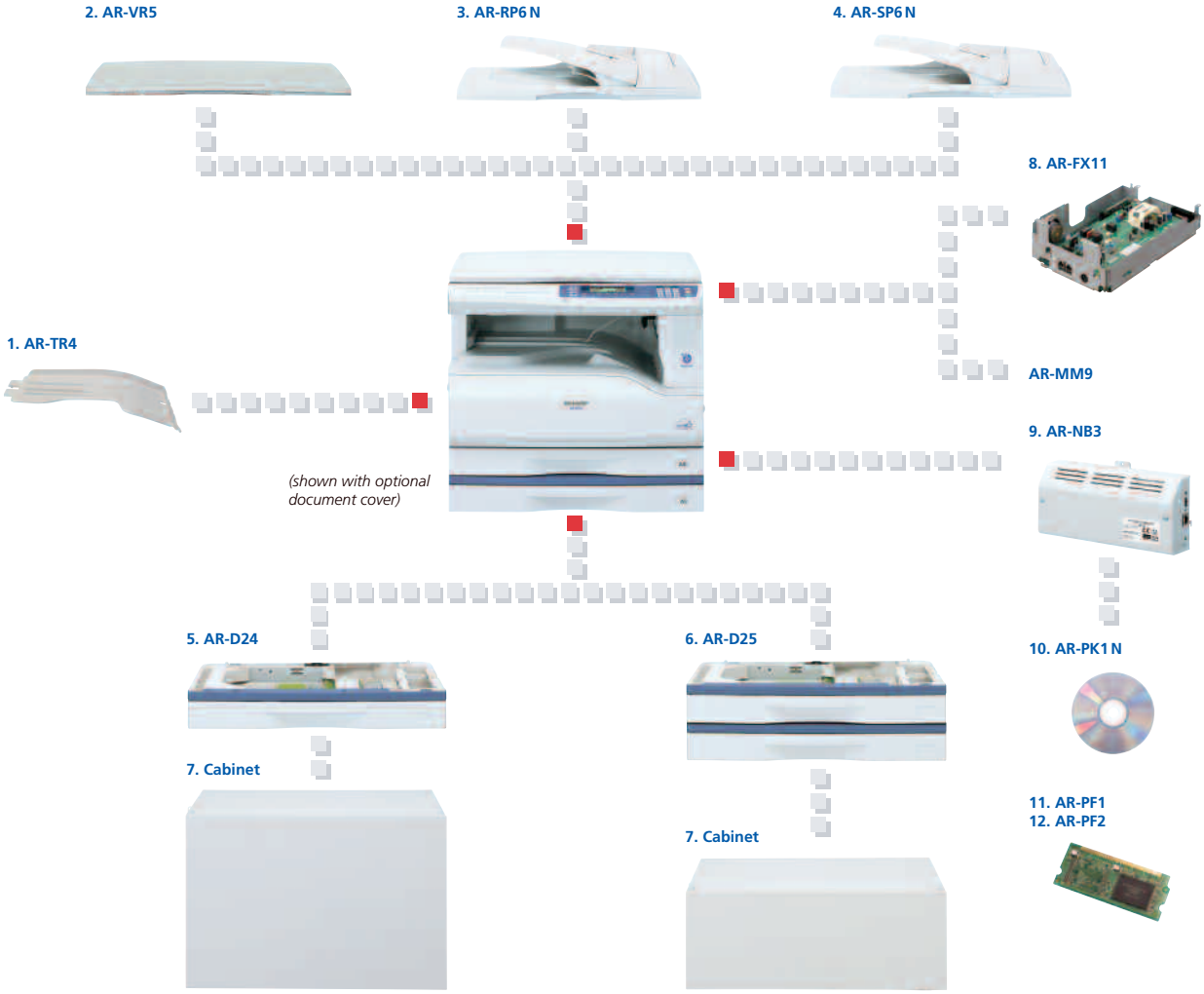
**3: Available in Spring 2005.*

Fax Reception Light

The AR-M165 and AR-M207 let you know when an incoming fax has been received with an LED on the corner of the operation panel that blinks until the user retrieves the fax from the Job Separator tray*.

* When the Job Separator tray is not installed, the LED stops blinking when the received fax has finished printing.

OPTIONS



FINISHING

1. AR-TR4 Job Separator Tray Kit
Separates output according to the type of job (print/copy/fax)

BASE UNIT

2. AR-VR5 Document Cover

3. AR-RP6 N Reversing Single Pass Feeder
A3 to A5, 40 sheets, 56 to 90 gsm

4. AR-SP6 N Single Pass Feeder
A3 to A5, 40 sheets, 56 to 90 gsm

5. AR-D24 250-Sheet Paper Feed Unit
A3 to B5R, 250 sheets, 56 to 90 gsm

6. AR-D25 2 x 250-Sheet Paper Feed Unit
A3 to B5R, 500 sheets, 56 to 90 gsm

7. Cabinet
There are four cabinets available, depending upon the paper cassette configuration used.
AR-DK51 Cabinet for 1 cassette
AR-DK52 Cabinet for 2 cassettes
AR-DK53 Cabinet for 3 cassettes
AR-DK54 Cabinet for 4 cassettes

CONNECTIVITY BOARD

8. AR-FX11 Fax Expansion Kit
Super G3 fax module

AR-MM9 8MB Fax Memory

9. AR-NB3 Network Printing/Scanning Expansion Kit
Interface board for network printing/scanning

AR-SM256MB-C 256MB Memory

Additional Sharpdesk™ licenses:
AR-U11M x 1 User
AR-U15M x 5 Users
AR-U1AM x 50 Users
AR-U1BM x 100 Users

10. AR-PK1 N PS3 Expansion Kit
Enables PostScript printing

11. AR-PF1 Barcode Font Kit
Barcode and OCR font kit

12. AR-PF2 Flash ROM Kit

Some options may not be available in some areas.

SPECIFICATIONS AR-M165/AR-M207

General

Type	Desktop
Paper size	Max. A3, min. A6R*1
Paper capacity	AR-M165 Standard: 350 sheets (250 + 100), maximum: 1,100 sheets AR-M207 Standard: 600 sheets (250 x 2 +100), maximum: 1,100 sheets
Paper weight	56 to 90 gsm (200 gsm via bypass)
Output capacity	250 sheets (A4)
Warm-up time	45 sec.
First copy time*2	7.2 sec.
Memory	Standard: 16MB Optional memory: 256MB (AR-SM256MB-C)
Power requirements	Rated local AC voltage 10%, 50/60 Hz
Power consumption (max.)	1.2 kW
Dimensions (W x D x H)	AR-M165: 590 x 595 x 435 mm AR-M207: 590 x 595 x 520 mm
Weight (main unit only)	AR-M165: 30.6kg AR-M207: 34.2kg

Copier

Copy speed (max.)	AR-M165: 16 cpm (A4) AR-M207: 20 cpm (A4)
Original paper size	Max. A3
Continuous copy	Max. 999 copies
Resolution	Scan: 600 x 600 dpi (Photo mode), 600 x 300 dpi (Auto/Text mode) Print: 600 x 600 dpi
Gradation	256 levels
Zoom range	25% to 400% (50% to 200% using SPF/RSPF) in 1% increments
Preset copy ratios	10 ratios (5 reduction + 5 enlargement)
Features	Auto paper selection, auto magnification selection, auto tray switching, Scan Once/Print Many, rotation copy, electronic sorting, XY zoom, dual page copy, card shot, margin shift, edge/centre erase, multi-shot (4-in-1, 2-in-1), offset stack, pre-heat/auto power shut-off modes, duplex copy, toner save mode, copy/print/scan auditing mode*3 (50 accounts total)

Printer

Print speed (max.)	AR-M165: 16 ppm (A4) AR-M207: 20 ppm (A4)
Resolution	600 dpi
Interface	IEEE 1284, USB 1.1, USB 2.0
Supported OS	Windows NT® 4.0 (Workstation SP5 and later), Windows® 2000 (Professional), Windows® XP (Home/Professional), Windows® 95/98/Me
PDL emulation	Standard: SPLC (Sharp Printer Language with Compression) Option*4: PCL 6/5e, PS3 emulation
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation*5
Features	RIP Once/Print Many, duplex print, N-up (2/4), fit to page, image orientation, auto paper selection, rotation print, output tray selection, image adjustment, pure black and white, watermarks, offset print, status window

Colour Scanner

Scan method	Push scan (via operation panel) and pull scan (with TWAIN-supporting application)
Resolution	600 x 600 dpi (setting range: 50 to 9,600 dpi*6)
Protocols	TWAIN, WIA (Windows XP only), STI
Interface	USB 1.1, USB 2.0
Supported OS	Windows 98/Me, Windows XP (Home/Professional), Windows 2000 (Professional)
Scan destinations	Sharpdesk™, e-mail, fax, OCR, Microsoft Word, filing
Scanner utilities	Button Manager, Sharpdesk™

*1: A6R via bypass.
*2: When feeding A4 sheets from paper tray. First copy time depends on the operating environment and the status of use.
*3: AR-NB3 required for print/scan auditing mode.
*4: AR-NB3 required. AR-PK1N also required for PostScript printing.
*5: AR-PK1N required.
*6: Resolutions higher than 600 dpi are interpolated.
*7: 300 dpi can be selected only when using the PCL6 or PCL5e printer driver.
*8: PDF direct printing requires AR-PK1N.
*9: Based on ITU-T test chart no. 1 at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

Network Printing/Scanning (optional AR-NB3 required)

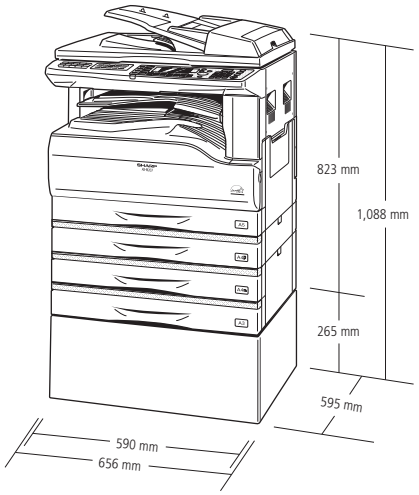
Print resolution	600 dpi, 300 dpi*7
Scan resolution	75 x 75, 100 x 100, 150 x 150, 200 x 200, 300 x 300, 400 x 400, 600 x 600 dpi
Network interface	10Base-T/100Base-TX
Supported OS	Windows 95/98/Me, Windows NT 4.0 (Workstation SP5 and later), Windows 2000 (Professional)/XP (Home/Professional), Mac OS 8.6 to 9.2.2, Mac OS X 10.1.5, 10.2 to 10.2.8 (excluding 10.2.2), 10.3 to 10.3.4*5
Memory	64MB, max. 320MB with SO-DIMM 256MB (144-pin)
Network protocols	TCP/IP, IPX/SPX (Netware), NetBEUI, EtherTalk (AppleTalk)
Features	PCL and PS3 emulation*5, printer administration utility, printer status monitor, PDF/TIFF direct printing*8, network scan (scan to e-mail/FTP server/desktop), LDAP, IP/MAC address filtering
File formats	JPEG, PDF, TIFF

Facsimile (optional AR-FX11 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*9
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	Standard: 8 dots x 3.85 lines/mm Super Fine: 16 dots x 15.4 lines/mm
Recording width	A3 to A5
Memory	2MB flash memory, max. 10MB with option
Gray scale levels	Equivalent to 256 levels
Features	Rapid and group dials (50 in total), 300 speed dials, 9 job programmes, broadcasting (200 destinations), memory transmission/reception, quick on-line transmission, auto reduction (transmission/reception), rotation transmission/reception, long original transmission (max. 800 mm), divided reception, duplex reception, timer transmission, polling, F-Code compatibility (confidential, relay broadcast), auditing mode (50 accounts)

Options

Model name	Description
AR-VR5	Document Cover
AR-RP6N	Reversing Single Pass Feeder
AR-SP6N	Single Pass Feeder
AR-TR4	Job Separator Tray Kit
AR-D24	250-Sheet Paper Feed Unit
AR-D25	2 x 250-Sheet Paper Feed Unit
AR-NB3	Network Printing/Scanning Expansion Kit
AR-U11M/U15M	Sharpdesk 1/5-License Kit
AR-U1AM/U1BM	Sharpdesk 50/100-License Kit
AR-SM256MB-C	256MB Memory
AR-PK1N	PS3 Expansion Kit
AR-PF1	Barcode Font Kit
AR-PF2	Flash ROM Kit
AR-DK51	Cabinet for 1 cassette
AR-DK52	Cabinet for 2 cassettes
AR-DK53	Cabinet for 3 cassettes
AR-DK54	Cabinet for 4 cassettes
AR-FX11	Fax Expansion Kit
AR-MM9	8MB Fax Memory



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